

**CLASSIFICATIONS BY INDUSTRIES**  
**FOR THE**  
**CENSUS OF MANUFACTURES, 1919.**

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There are 356 classifications to be used in connection with the census of manufactures of 1919, and each accepted report will be assigned to one of these classifications.

The classification of reports for manufacturing establishments is the assignment of the individual schedule to the particular class to which it belongs, in order to bring together, so far as practicable, all the establishments engaged in the same or kindred industries.

As a general rule the classification will be determined in accordance with the product of chief value. There may be exceptions to the general rule, which, however, probably will occur in connection with some industry for which a supplemental schedule is provided and will be due to the kind and quantity of materials used or the character of the machinery.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

1. \*Aeroplanes, seaplanes, and airships, and parts.  
Includes also balloons and all other types of aircraft and parts.
2. \*Agricultural implements.  
Includes planting, cultivating, harvesting, and seedling implements and machines, among which are the following: Broadcast seeders; beet cultivators; clover hullers; combination seeders; corn huskers; corn huskers and shredders; corn planters; corn shellers; cotton planters; cotton scrapers; cultivators; drills; equalizers; fanning mills; grain cradles; harrows; harvesters; harvesters and thrashers combined; headers; headers and binders; hay carriers; hayforks, horse; hay loaders; hayrakes, horse; hay stackers; hay tedders; listers; mowers; plows; potato diggers, horse; potato planters; reapers; seed sowers; thrashers, horse or steam power; bean planters; bean pullers; beet pullers; celery hillers; check rowers; corn cleaners; corn hooks; corn knives; cotton choppers; cottonseed hullers; ensilage cutters; haycutters; lime spreaders; manure spreaders; potato coverers and hillers; rollers; scythes; scythe snaths; sickles; sorghum binders; stackers; stalk cutters; weeders; and tobacco transplanters.
3. Aluminum manufactures.  
Includes the manufacture of aluminum ware, ingots, plates, sheets, etc.  
  - (a) Ingots.
  - (b) Plates and sheets.
  - (c) Ware (mostly household).
  - (d) All other.
4. \*Ammunition. (See also Firearms; Ordnance and accessories.)  
Includes blasting caps; cartridges, loaded or unloaded, for firearms; fog and danger signals and torpedoes; fuses; lead shot; percussion caps; and signal squibs, gun wads, etc.
5. Artificial flowers. (See also Feathers and plumes; Millinery and lace goods.)  
Includes artificial leaves, palms, wreaths, plants, foliage and vines, buds and fruits; wax flowers; and the preservation of flowers and plants; tubing and other material for the manufacture of artificial flowers.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

6. Artificial limbs. (See also Surgical appliances.)  
Includes artificial legs, arms, hands, feet; also crutches, extension shoes, etc. This classification must not be confused with "Surgical appliances."
7. Artificial stone products. (See also Marble and stone work.)  
Includes articles manufactured from a combination of stone, gravel, sand, or metal, with cement. The products may be various kinds of building blocks, building trimmings, etc., and other articles, such as laundry tubs, burial vaults, etc., but not blocks or tile for paving or roofing.
8. Artists' materials.  
Includes palettes, pastels, canvas boards, prepared canvas on frames, oil colors, Roman gold, bronze powders, gilders' cushions and burnishers, easels, air pencils, and crayons.  
  - (a) Crayons.
  - (b) All other.
9. Asbestos products, not including steam packing. (See also Steam packing.)  
Includes the recovery of asbestos from the mineral, and the manufacture of asbestos building materials, articles for household use, etc.  
  - (a) Building materials.
  - (b) All other products.
10. Automobile bodies and parts. (See also Automobiles; Carriage and wagon materials.)  
Includes establishments whose chief products are chassis, automobile bodies, tops, mufflers, radiators, mud guards, cushion frames, trimmings, etc. The manufacture of motors, rubber tires, lamps, and springs are called for under other classifications.
11. \*Automobiles. (See also Automobile bodies and parts; Carriages and wagons.)  
Includes all kinds of automobiles and motor trucks, whether for pleasure, business, or public use.
12. Automobile repairing.  
Includes repair work, vulcanizing tires, etc., where such work is extensive and partakes of the character of machine-shop work.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

13. Awnings, tents, and sails.  
Includes window, store, and veranda awnings; tents; sails; tarpaulins; and canvas covers. Small establishments making these goods to the individual order and use are not to be included.
14. Babbitt metal and solder. (See also Smelting and refining, not from ore.)  
Includes Babbitt and other antifriction metal, type metal, and solder. Tin, copper, and zinc or antimony are the usual components. Among the solders will be found hard, soft, white, spelter, gold, silver, plumbers', pewterers', and button.  
  - (a) Babbitt metal.
  - (b) White metal.
  - (c) Type metal.
  - (d) Solder.
15. Bags, other than paper, not including bags made in textile mills.  
Includes meal bags, salt bags, gunny or jute bags, and all other bags made from materials other than paper.
16. Bags, paper, exclusive of those made in paper mills.  
Includes the manufacture of paper bags.
17. Baking powders and yeast. (See also Flavoring extracts.)  
Includes, in addition to baking powders and yeast, articles used for similar purposes, such as malt extract for leavening, yeast cakes, stock yeast, etc.  
  - (a) Baking powders.
  - (b) Yeast.
18. Baskets, and rattan and willow ware.  
Includes baskets, carpet beaters, bottle covers, and, in general, the manufacture of small articles from willow, rattan, etc. (Rattan and willow furniture, however, must be included under Furniture (b)).
19. Bells. (See also Brass, bronze, and copper products (a); Foundry and machine-shop products.)  
Includes the manufacture of electric, sleigh, automobile, bicycle, and church bells; and chimes, gongs, etc.
20. \*Belting and hose, rubber. (See also Rubber goods.)  
Includes all kinds of belting and hose where the chief material is rubber.  
  - (a) Rubber belting.
  - (b) Rubber hose.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

21. Belting and hose, woven.  
Includes all kinds of belting and hose where the material is chiefly cotton, linen, or canvas.  
 (a) Woven belting.  
 (b) Woven hose.
22. Belting, leather. (See also Leather, tanned, curried, and finished.)  
Includes all kinds of leather belting, used largely for the transmission of power.
23. Billiard tables, bowling alleys, and accessories.  
Includes, in addition to billiard, pool, and bagatelle tables, the manufacture of billiard cues and chalk, pool pockets, cue tips, and pool balls of ivory and composition, etc.  
 (a) Billiard tables and accessories.  
 (b) Bowling alleys and accessories.  
 (c) All other.
24. Blacking, stains, and dressings. (See also Boot and shoe findings; Cleansing and polishing preparations.)  
Includes shoe blacking, stains and polish, burnishing inks, harness blacking and dressing, curriers' blacking, belt dressing, stove polish, etc.
25. Bluing.  
Includes, principally, laundry bluing, soluble or liquid. The usual materials for the manufacture of bluing are indigo and Prussian blue.
26. \*Bone, carbon, and lamp black. (See also Paints; Chemicals.)  
Includes the manufacture of bone black, carbon black, lamp and ivory black, etc.  
 (a) Bone black.  
 \* (b) Carbon black.  
 (c) Lampblack.
27. Bookbinding and blank-book making. (See also Printing and publishing.)  
Includes, in addition to establishments engaged in bookbinding and blank-book making; embossing; book gilding; paper ruling; paper cutting; card, book, and paper edging; card beveling and bronzing; the mounting of woolen and other samples; show-card mounting, etc.
28. Boot and shoe cut stock, exclusive of that produced in boot and shoe factories. (See also Boot and shoe findings; Boots and shoes, not including rubber boots and shoes.)  
Includes soles, tips, heels, top lifts, inner soles, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

29. Boot and shoe findings, exclusive of those produced in boot and shoe factories. (See also Boot and shoe cut stock; Boots and shoes, not including rubber boots and shoes; Blacking, stains, and dressings.)

Includes shoe pegs, bows, clasps, stays, metal tips and heel plates, toe caps, buckles, heel caps, rands, staples, counters, shanks, wooden heels, shoe trimmings, boot and shoe uppers, etc.

30. \*Boots and shoes, not including rubber boots and shoes.

Includes factories manufacturing boots, shoes, and slippers; moccasins, leggings, overgaiters, etc.; and also establishments engaged in doing certain work in connection with the manufacture of boots, shoes, slippers, etc., on materials largely furnished. Felt shoes, etc., if made of purchased felt, but if made in mills which manufacture the felt they are classified as "Felt goods."

(a) The regular factories making boots, shoes, etc., from their own materials, although there may be contract work shown.

(b) Factories doing the whole or part of the work of manufacture on materials which are furnished.

(c) Stitching shops.

(d) Crimping.

(e) Making buttonholes in uppers.

(f) The manufacture of footwear, not strictly boots and shoes, such as overgaiters, moccasins, leggings, etc.

31. \*Boots and shoes, rubber.

Includes boots, shoes, and other footwear of rubber.

32. Boxes, cigar. (See also Boxes, fancy and paper.)

Includes all kinds of cigar boxes of wood in which cigars are packed and from which they must be sold.

33. Boxes, fancy and paper. (See also Fancy articles, not elsewhere specified; Jewelry and instrument cases.)

Includes paper boxes, folding boxes, cartons, decorated tin boxes, fancy tea caddies, mailing boxes, etc.

(a) Paper boxes and cartons.

(b) All other.

34. Boxes, wooden packing, except cigar boxes. (See also Lumber, planing-mill products.)

Includes wooden boxes or cases; box shooks; berry, cheese, fig, and raisin boxes; egg cases; crates; etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

35. \*Brass, bronze, and copper products. (See also Bells; Hardware; Hardware, saddlery; Plumbers' supplies, not elsewhere specified; Wire.)

Includes the manufacture of brass, bronze, and copper ingots, bars, plates, sheets, rods, and tubing, and the foundry work and finishing of such metals; car and engine brasses; refinishing brass work; oiling devices; safety steam appliances; brass spigots; hose couplings, etc.; stair plates; stair rods; fenders; screen plates; metal spinning, etc. The classification also embraces the manufacture of brass and copper wire, but establishments chiefly engaged in drawing such wire from purchased rods should be reported on the schedule for "Wire" and be so classified. The classification does not include the manufacture of bells, for which there is a special classification.

- (a) Brass and bronze products.
- (b) Copper products.
- (c) All other products.

36. Bread and other bakery products.

Includes bread, crackers, pretzels, pies, cake, etc.

- (a) Biscuit and crackers.
- (b) Bakery products, other than biscuit and crackers.

37. \*Brick and tile, terra-cotta, and fire-clay products. (See also Pottery; Sand-lime brick.)

Includes building brick, fancy and ornamental brick, vitrified brick, fire brick, draintile, etc.

- (a) Building brick, fancy, ornamental, vitrified, glazed, and enameled.
- (b) Fire brick.
- (c) Stove lining.
- (d) Sewer pipe, draintile, etc.
- (e) Terra-cotta products.
- (f) All other.

38. Brooms.

Includes the manufacture of brooms, whisk brooms, etc., made from broom straw or other similar fiber, and also street and stable brooms made of heavier material.

- (a) From broom corn.
- (b) All other.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

39. Brushes. (See also House-furnishing goods, not elsewhere specified; Rubber goods, not elsewhere specified.)  
Includes paint, sash, floor, whitewash, and other brushes; also feather dusters. This classification does not include the manufacture of rubber brushes.  
(a) Toilet.  
(b) Paint, varnish, etc.  
(c) All other.
40. \*Butter. (See also Cheese; Condensed milk.)  
Includes establishments chiefly engaged in the manufacture of butter.
41. Butter, reworking.  
Includes establishments engaged chiefly in the reworking of butter of different grades into a salable product—renovated or processed butter.
42. \*Buttons. (See also Needles, pins, and hooks and eyes.)  
Includes ivory, bone, shell, metal, cloth or cloth-covered, porcelain, pearl, and brass buttons and shell button blanks, etc.
43. Candles. (See also Grease and tallow; Petroleum refining; Soap.)  
Includes candles of spermaceti, paraffin, wax, tallow, stearine, etc.
44. \*Canning and preserving, fish. (See also Canning and preserving, oysters; Food preparations.)  
Includes canned, pickled, smoked, and dried fish; crabs; lobsters and shrimps; but not oysters and clams.
45. \*Canning and preserving, fruits and vegetables. (See also Food preparations; Pickles, preserves, and sauces.)  
Includes, in addition to the canning and preserving of fruits and vegetables, the processing and packing of dried fruits by packing houses which make a specialty of such business.  
(a) Canned vegetables.  
(b) Canned fruits.  
(c) Dried fruits.  
(d) All other.
46. \*Canning and preserving, oysters. (See also Canning and preserving, fish; Food preparations.)  
Includes bivalves such as oysters and clams.



## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

47. Card cutting and designing.  
Includes jewelers' cards, index cards for office and library cabinets, jacquard cards, fancy cards, stencil cards for addressing machines, and other card cutting and designing.
48. Cardboard, not made in paper mills. (See also Paper and wood pulp.)  
Includes cardboard when made by establishments which do not manufacture the paper.
49. \*Carpets and rugs, other than rag. (See also Cotton goods; Jute goods; Woolen goods; Worsted goods.)  
Includes woolen mills manufacturing carpets and rugs, but does *not* include the manufacture of rag or of jute carpets and rugs or fiber mats and matting.
50. Carpets, rag.  
Includes establishments manufacturing rag carpets and rugs. A considerable number of establishments embraced in this classification will be engaged in making these articles from material furnished by others.
51. Carriage and wagon materials. (See also Automobile bodies and parts; Carriages and wagons.)  
Includes carriage and wagon bodies, tops, cushions, hubs, felloes, spokes, wheels, whiffletrees, carriage boots and aprons, axles, dashboards, neck yokes, whip sockets, etc.
52. Carriages and sleds, children's. (See also Furniture.)  
Includes baby carriages, go-carts, sleds, doll carriages, etc.
53. \*Carriages and wagons, including repairs. (See also Agricultural implements; Automobiles; Automobile bodies and parts; Automobile repairing; Carriage and wagon materials.)  
Includes establishments manufacturing these vehicles, and those making sleighs, pungs, sleds, etc., are also to be included.  
  - (a) Carriages and wagons.
  - (b) Repair work exclusively.
54. \*Cars and general shop construction and repairs by electric-railroad companies. (See also Cars, electric-railroad, not including operations of railroad companies.)  
Includes the shopwork of construction and repairs done by such railroad companies.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

55. \*Cars and general shop construction and repairs by steam-railroad companies. (See also Cars, steam-railroad, not including operations of railroad companies; Locomotives.)  
Includes the shopwork of construction and repairs done by steam-railroad companies. This work is confined largely to the repairs of rolling stock, but may include the building of new cars and locomotives, and sometimes the repair work done for other railroad companies.
56. \*Cars, electric-railroad, *not* including operations of railroad companies. (See also Cars and general shop construction and repairs by electric-railroad companies.)  
Includes establishments engaged in the manufacture of cars for use on electric railroads.
57. \*Cars, steam-railroad, *not* including operations of railroad companies. (See also Cars and general shop construction and repairs by steam-railroad companies.)  
Includes establishments engaged in the manufacture of cars for use on steam railroads.
58. Cash registers and calculating machines.  
Includes cash registers, adding machines, and various other types of calculating machines.  
(a) Adding machines.  
(b) Cash registers and parts.  
(c) All other.
59. \*Cement.  
Includes chiefly Portland cement, and also hydraulic, fireproof, and slag cement, etc.
60. Charcoal, not including production in the lumber and wood distillation industries. (See also Lumber and timber products; Wood distillation.)  
Includes establishments engaged in the manufacture of charcoal.
61. \*Cheese. (See also Butter; Condensed milk.)  
Includes factories engaged in the manufacture of cheese.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

62. \*Chemicals. (See also Coal-tar products; Coke; Drug-gists' preparations and patent and proprietary medicines and compounds; Dyestuffs and extracts, natural; Essential oils; Explosives; Ferroalloys; Fertilizers; Gas, manufactured; Paints; Sulphuric, nitric, and mixed acids; Turpentine and rosin; Varnishes; Wood distillation.)

Includes all chemicals except those pertaining to the allied industries above noted. They are grouped under 10 heads, viz: (I) Acids—all acids except those of coal-tar origin; and, further, establishments manufacturing sulphuric, nitric, and mixed acids as chief products are assigned to that industry; (II) Ammonia and cyanogen compounds, comprising ammonia and the ammonium salts and compounds of which the cyanides are an important class; (III) Sodas, sodium and its compounds; (IV) Potash,<sup>1</sup> potassium and its compounds; (V) Alums, aluminum and its compounds; (VI) Bleaching compounds, such as chloride of lime, the hypochlorites, hydrogen peroxide, etc.; (VII) Chemical substances produced with the aid of electricity,<sup>2</sup> as, for example, calcium carbide, and including those (for example, caustic soda) belonging under other groups, when made by electric processes; (VIII) Plastics, such as pyroxylin plastics (celluloid, etc.) rubber substitutes, artificial silk, etc., including finished goods of the same made by the establishment manufacturing the plastic; (IX) Compressed and liquefied gases, such as carbonic acid gas, oxygen, etc., except that establishments making acetylene as their chief product will be included under "Gas, manufactured"; and (X) Chemicals not elsewhere specified, including the alcohols; the aldehydes, for example, formaldehyde; the ethers, for example, sulphuric ether; the esters, for example, amylacetate; the ketones, for example, acetone; organic chemicals, for example, chloroform, glycerin, etc.; and the salts and compounds of the various metals, antimony, arsenic, barium, bismuth, copper, gold, iron, etc.

63. Chewing gum. (See also Confectionery and ice cream.)

Includes establishments whose chief products are chewing gum.

<sup>1</sup> See supplemental "Potash materials" (Form 181) for potash from original sources.

<sup>2</sup> See Industry "ferroalloys" for establishments manufacturing ferroalloys as the chief product, either in a blast furnace or an electric furnace.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1911

[Industries marked \* require supplemental schedules.]

64. China decorating, not including that done in potteries.  
(See also Pottery.)  
Includes establishments engaged chiefly in firing or decorating china. This classification is to include establishments engaged in performing this work for the trade, and not small establishments engaged in such work for private parties or to individual order.  
(a) Decalcomania work on china.  
(b) All other.
65. \*Chocolate and cocoa products, not including confectionery. (See also Confectionery and ice cream.)  
Includes chocolate, cocoa, cocoa butter, broma, and generally products of the nut of the cacao tree.
66. Cleansing and polishing preparations. (See also Blacking, stains, and dressings.)  
Includes furniture polish, floor polish, starch polish, washing fluids, wall-paper cleaner, pumice stone, tripoli, etc.  
(a) Cleansing preparations.  
(b) Metal polish.  
(c) All other polishing preparations.
67. Clocks. (See also Watch and clock materials; Watches.)  
Includes establishments manufacturing, in addition to the ordinary clocks and clock movements, watchmen's recorders, clock and time protectors, electric signaling gongs, tower clocks, advertising clocks, time registers, automatic clock devices, etc.
68. Cloth, sponging and refinishing.  
Includes establishments engaged in sponging and refinishing textiles. This classification must not be confused with that for "Dyeing and finishing textiles" or "Dyeing and cleaning."
69. Clothing, horse.  
Includes horse blankets made from purchased fabrics; robes, saddle cloths, fly nets, pads, housings, etc.
70. Clothing, men's. (See also Collars and cuffs, men's; Shirts.)  
Includes establishments engaged in the manufacture of men's and boys' clothing, and such outer garments as overalls, market frocks, butchers' aprons, uniforms, bathing suits, knee pants, gymnasium and sporting clothing, etc. This classification also includes establishments engaged in contract work on

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

## 70. Clothing, men's—Continued.

clothing where the materials, or the greater part of them, are furnished.

- (1) The regular factories making men's clothing, etc., from their own materials, although there may be contract work shown.

- (a) Men's and youths'.

- (b) Boys'.

- (c) All other.

- (2) Shops making these articles from materials which are furnished.

- (a) Men's and youths'.

- (b) Boys'.

- (c) All other.

## 71. Clothing, men's, buttonholes.

Includes establishments engaged in working buttonholes in clothing.

## 72. Clothing, women's.

Includes cloaks, capes, jackets, wrappers, shirt waists, dresses, skirts, cloak linings, underwear, children's and infants' clothing, dress stays, quilted linings, belts, dress shields, suits, pleating, aprons, sleeves, petticoats, kimono's, dressing sacks, hose supporters, and night robes.

- (1) The regular factories making women's clothing, etc., from their own materials, although there may be contract work shown.

- (a) Suits, skirts, cloaks, etc.

- (b) Shirt waists and dresses, except house dresses.

- (c) Undergarments and petticoats.

- (d) Wrappers and house dresses.

- (e) All other.

- (2) Shops making these articles from materials which are furnished.

- (a) Suits, skirts, cloaks, etc.

- (b) Shirt waists and dresses, except house dresses.

- (c) Undergarments and petticoats.

- (d) Wrappers and house dresses.

- (e) All other.

## 73. \*Coal-tar products. (See also Chemicals; Coke; Gas, manufactured.)

Includes crudes, intermediates, and finished products—dyes and color lakes, photographic chemicals, medicinals, flavors, perfumes, synthetic tanning materials, and synthetic phenolic resins—of coal-tar origin.

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[Industries marked \* require supplemental schedules.]

74. Coffee and spice, roasting and grinding.  
Includes establishments engaged in grinding or roasting coffee and spice.  
(a) Coffee.  
(b) Spice.
75. Coffins, burial cases, and undertakers' goods.  
Includes coffins, caskets, burial cases, such special articles as clothing, shoes, slippers, etc., which pertain to this industry, and also robes, habits, casket linings, scarfs, draperies, embalming fluids, etc.
76. \*Coke, not including gas-house coke.  
Includes establishments operating coke ovens for the manufacture of coke from coal or slack.  
(a) Ovens other than by-product ovens. (Supplemental schedule Form 173.)  
(b) By-product ovens. (Supplemental schedule, Form 174.)
77. Collars and cuffs, men's. (See also Furnishing goods, men's; Shirts.)  
Includes establishments chiefly engaged in the manufacture of collars and cuffs.
78. Combs and hairpins, except those made from metal or rubber. (See also Ivory, shell, and bone work; Fancy articles, not elsewhere specified; Needles, pins, and hooks and eyes.)  
Includes establishments engaged in the manufacture of combs and hairpins made of horn, shell, bone, and ivory.
79. \*Condensed milk. (See also Butter; Cheese.)  
Includes factories chiefly engaged in the manufacture of condensed milk, sweetened or unsweetened; powdered milk; sugar of milk; casein; etc.
80. \*Confectionery and ice cream. (See also Chocolate and cocoa products.)  
Includes establishments engaged in the manufacture of confectionery of all kinds, ice cream, stick licorice, corn balls, salted nuts, etc.  
(a) Confectionery.  
(b) Ice cream.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

81. Cooperage. (See also Wooden goods, not elsewhere specified.)

Includes flour, sugar, beer, wine, whisky, and fish barrels; hogsheds; kegs; butter tubs; box straps from hoop poles; and generally all classes of articles made from staves. (Reports for cooperage should show the kind and value of the different classes of products, and whether tight or slack.)

(a) Hogsheds and barrels.

(b) All other.

82. Copper, tin, and sheet-iron work. (See also Roofing materials; Tinware, not elsewhere specified; Brass, bronze, and copper products.)

Includes sinks, tanks, cooking apparatus, smoke-stacks, furnace casings, cornices, roofing, skylights, and various other material used in connection with building operations, and coppersmithing and sheet-iron work. For establishments rolling or drawing copper, see Brass, bronze, and copper products.

83. \*Cordage and twine. (See also Cotton goods; Cotton small wares; Jute goods; Linen goods; Nets and seines.)

Includes rope, lines, and binder twine from hemp, flax, cotton, manila, jute, and other fiber.

84. Cordials and flavoring sirups. (See also Flavoring extracts.)

Includes cordials, flavoring sirups, and certain kinds of bitters which are not of a character to be classed as patent medicines.

85. Cork, cutting.

Includes various articles manufactured from cork, such as bottle corks, life preservers, cork board for insulation, cork tips, etc.

86. Corsets.

Includes corsets and similar articles, corset waists, brassières, corset stays, etc.

(a) Corsets.

(b) Corset waists (women's and children's).

(c) Brassières.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

87. \*Cotton goods. (See also Cotton small wares; Cotton lace; Knit goods.)

Includes cotton mills producing plain cloths for printing or converting, sheeting, twills, and sateens, fancy woven fabrics, ginghams, duck, drills, ticks, denim, cotton flannels, napped fabrics, corduroys, cotton velvet and plush, upholstery goods, toweling, yarns, etc.

88. \*Cotton lace. (See also Cotton goods; Cotton small wares.)

Includes establishments engaged chiefly in the manufacture of cotton lace.

89. \*Cotton small wares. (See also Cotton goods; Knit goods.)

Includes narrow fabrics, webbing, braids, tapes, binding, corset laces, shoe laces, wicks, etc.

90. Crucibles.

Includes chiefly crucibles made to withstand a very high degree of heat, varying greatly in size, made largely from fire clay, German clay, kaolin, and plumbago.

91. Cutlery and edge tools. (See also Hardware; Saws; Tools, not elsewhere specified.)

Includes knives, razors, scissors, shears, augers, gimlets, planes, meat choppers, axes, hatchets, and implements of a similar character. Does not include plated or silver knives, forks, etc., for which see Plated ware, and Silversmithing and silverware.

(a) Table cutlery.

(b) Razors—

Plain.

Safety.

(c) Axes and hatchets.

(d) Scissors, shears, clippers, etc.

(e) Pocket knives.

(f) Augers, bits, chisels, planes, etc.

(g) All other.

92. Dairymen's, poultrymen's, and apiarists' supplies.

Includes cabinet creameries, churns, butter washers and molds and ladles, cream separators, dairy implements, rennet extract, cheese vats, cheese cap cloths, poultry supplies, incubators, brooders, bee smokers, beehives, honey boxes, and honeycomb foundations.

(a) Incubators and brooders.

(b) All other poultrymen's supplies.

(c) Cream separators.

(d) All other dairymen's supplies.

(e) Apiarists' supplies.



# CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

## 93. Dental goods.

Includes porcelain teeth, filling material, dental alloys, plate material, etc.

(a) Teeth.

(b) All other.

## 94. Drug grinding.

Includes establishments engaged in grinding drugs of all kinds, sometimes known as "drug millers."

## 95. \*Druggists' preparations. (See also Chemicals; Coal-tar products; Patent medicines and compounds; Perfumery and cosmetics.)

Includes serums, vaccines, and toxins, capsules (filled or empty), tablets and pills, concentrations, pepsin, tinctures, medicinal plasters, cough sirup, ointments, and other pharmaceuticals.

## 96. Dyeing and cleaning.

Includes establishments engaged in dyeing and cleaning garments, etc., that are operated by mechanical power.

## 97. Dyeing and finishing textiles, exclusive of that done in textile mills.

Includes independent bleacheries, print works and dye works, chiefly engaged in dyeing, printing, bleaching, and mercerizing cotton, woolen, worsted, silk yarns, and piece goods, printing cotton piece goods, and in spooling cotton, winding yarn, etc.

## 98. \*Dyestuffs and extracts—natural. (See also Chemicals; Coal-tar products; Paints; Varnishes.)

Includes indigo, cochineal, madder, fustic, mordants, iron liquor, red liquor, turkey-red oil, logwood extract, ground sumac, sumac extract, hemlock extract, oak and chestnut extract, palmetto extract, chrome tannage solution, tannic acid, sizes, etc.

## 99. \*Electrical machinery, apparatus, and supplies.

Includes dynamos; transformers for light and power; switchboards; panel boards; cut-out cabinets for light and power; motors; storage batteries; primary batteries; carbons; arc lamps; incandescent lamps; searchlights; projectors, and focusing lamps; sockets, receptacles, bases, etc.; transmitters; receivers; lightning arresters; rheostats and resistances; electric welding apparatus; electrical therapeutic apparatus; and electric switches, signals, and attachments; telegraph and telephone apparatus; miscellaneous electric household articles, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

## 100. Electroplating.

Includes electroplating of all descriptions, such as nickel plating, silver plating, etc. This work is largely done on articles furnished by others.

## 101. Emery and other abrasive wheels. (See also Grindstones; Hones and whetstones.)

Includes generally all kinds of abrasive wheels, whether of emery, corundum, or other material, also polishing and buffing wheels, belts and disks.

## 102. Enameling. (See also Japanning; Stamped and enameled ware.)

Reports for work of this character will no doubt be chiefly on goods owned by others.

## 103. \*Engines, steam, gas, and water. (See also Agricultural implements; Electrical machinery, apparatus, and supplies; Foundry and machine-shop products; Locomotives, not made by railroad companies.)

Includes the manufacture of steam and internal-combustion engines (automobile, marine, traction, stationary and portable), turbines, etc.; and water wheels, water turbines, and water motors.

## 104. Engravers' materials.

Includes copper, zinc, steel, and other metal plates for engravers' use; wood blocks for use in wood and photo-engraving work, lithographic stones, etc.

## 105. Engraving and diesinking.

Includes chasing, engraving on jewelry and silverware, notarial seals, and all kinds of diesinking.

## 106. Engraving, steel and copper plate, including plate printing. (See also Lithographing; Photo-engraving.)

Includes engraving on copper and steel plate for cards, music, plate engraving, fine stationery work, etchings, illustrations, etc., and generally all engraving of this character which may be associated with printing.

## 107. Engraving, wood.

Includes wood engraving generally for printers' use.

## 108. Envelopes. (See also Stationery goods, not elsewhere specified.)

Includes establishments engaged chiefly in the manufacture of envelopes.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

109. \*Explosives. (See also Ammunition; Chemicals; Firearms; Ordnance and accessories.)  
Includes blasting powder, gunpowder (black), nitroglycerin, dynamite, gun cotton or pyroxylin, smokeless powder, fulminating mercury, permissible explosives, etc.
110. Fancy articles, not elsewhere specified. (See also Boxes, fancy and paper; Combs and hairpins, not made from metal or rubber; Ivory, shell, and bone work; Signs and advertising novelties.)  
Includes beaded articles, celluloid novelties, art novelties and holiday goods, photo jewelry and buttons, inlaid veneer work, silk watch chains, burnt-wood articles, lamp shades, bric-a-brac, composition ornaments, needle and pin books, and decalcomania work (when not on china or glass), and other miscellaneous small articles not covered by distinct classifications.  
(a) Beadwork.  
(b) Celluloid novelties.  
(c) Metal novelties.  
(d) Paper novelties.  
(e) Wood novelties.  
(f) All other.
111. Feathers and plumes. (See also Artificial flowers; Millinery and lace goods.)  
Includes establishments manufacturing feathers, plumes, and other articles chiefly of feathers. The curling, dyeing, and renovating of ostrich feathers, etc., may be found to be part of this work.
112. \*Felt goods. (See also Woolen goods; Worsted goods.)  
Includes felt goods made of wool or hair, woven or made without weaving by heat, moisture, and pressure. Covers felt cloths, paper makers' woven felts, endless belts, laundry felts, etc.
113. \*Ferrolloys. (See also Chemicals; Iron and steel, blast furnaces.)  
Includes establishments chiefly engaged in the manufacture of spiegeleisen, ferromanganese, ferrosilicon, ferrophosphorus, or other ferrolloys, either in blast furnaces or an electric furnace.  
(a) Blast-furnace products.  
(b) Electric-furnace products.
114. \*Fertilizers. (See also Oil and cake, cottonseed; Slaughtering and meat packing, wholesale.)  
Includes superphosphates from minerals, bones, etc., ammoniated fertilizers, concentrated phosphate, complete fertilizers, fish scrap, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

115. Files. (See also Hardware; Tools, not elsewhere specified.)  
Includes all kinds of files, rasps, etc., and the re-cutting of same.
116. \*Firearms. (See also Ammunition; Ordnance and accessories.)  
Includes rifles, shotguns, revolvers, pistols, stocks, parts, etc.
117. Fire extinguishers, chemical.  
Includes establishments engaged in the manufacture of chemical fire extinguishers, hand grenades, etc.
118. Fireworks.  
Includes all kinds of fireworks, firecrackers, sparklers, etc.
119. Flags and banners. (See also Regalia and society badges and emblems.)  
Includes flags, banners, pennants, etc.
120. Flavoring extracts. (See also Baking powders and yeast; Cordials and flavoring sirups.)  
Includes all kinds of flavoring extracts, colors for bakers and confectioners, fruit juices, etc.
121. Flax and hemp, dressed.  
Includes establishments engaged chiefly in removing seeds, dross, etc., and generally preparing raw flax and hemp for factory use.
122. \*Flour-mill and gristmill products. (See also Food preparations, not elsewhere specified.)  
Includes wheat, corn, rye, buckwheat, rice flour, and graham flour; corn meal, barley meal, alfalfa meal, cracked corn, shorts, feed, etc.
123. Food preparations, not elsewhere specified. (See also Canning and preserving, fish; Canning and preserving, fruits and vegetables; Canning and preserving, oysters; Flour-mill and gristmill products; Pickles, preserves, and sauces; Oleomargarine; Slaughtering and meat packing.)  
Includes oatmeal, hominy, cracked wheat, rolled oats, and other cereals, hulled corn, mincemeat, noodles, saratoga chips, scrapple, bird and poultry food, self-raising flour, sauerkraut, cereal coffee, etc. This classification must not be confused with the separate classifications for several kinds of food products, as follows: Bread and other bakery products; Butter; Cheese; Condensed milk; Canning and preserving, fish; Canning and preserving, fruits and vegetables; Canning and preserving, oysters; Flour-

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

## 123. Food preparations, not elsewhere specified—Continued.

... mill and gristmill products; Oleomargarine; Pickles, preserves, and sauces; Sausage; Slaughtering and meat packing; Sugar, beet; Sugar, cane; Sugar, refined; Vinegar and cider.

(a) Breadstuff preparations, such as cereals and the so-called breakfast foods.

(b) Lard compounds and other substitutes, not including those made in slaughtering and meat-packing plants.

(c) Macaroni, vermicelli, noodles, etc.

(d) Meat products, not elsewhere specified.

(e) Peanut butter.

(f) Sweetening sirups, other than cane.

(g) All other food preparations for human consumption.

(h) Prepared feed for animal and fowl consumption.

## 124. Foundry and machine-shop products. (See also Bells;

Brass, bronze, and copper products; Cash registers and calculating machines; Cutlery and edge tools; Engines, steam, gas, and water; Files; Firearms; Gas machines and gas and water meters; Hardware; Hardware, saddlery; Horseshoes; Iron and steel, bolts, nuts, washers, and rivets; Iron and steel, doors and shutters; Iron and steel, forgings; Iron and steel, nails and spikes, cut and wrought; Iron and steel, cast-iron pipe; Iron and steel, wrought pipe; Locomotives; Machine tools; Stoves and hot-air furnaces; Stoves, gas and oil; Structural ironwork; Textile machinery; Tools, not elsewhere specified; Vault lights and ventilators; Washing machines and clothes wringers.)

Includes air compressors, air tanks, anvils, bake ovens, ball bearings, bar fittings, biscuit cutters, blowers, boiler cleaners, boilers, brake beams, car wheels, castings, chain belting, check protectors, clamps, clay-tempering machines, cob crushers, conveying machines, couplings, cracker machines, cranes, derricks, drying frames, dumb-waiters, ejectors, envelope machines, etching machines, fan forges, feeding and watering appliances, fertilizer pulverizers, filters, fire engines, fire hydrants, flue blowers, folding machines, folding pails, frames, furnaces for steam boilers, gas holders, gear wheels, grinders, hair machines, holsting apparatus, hydraulic presses, ice breakers, ice-cream freezers, injectors, iron flasks, iron posts, iron screens, jacketed kettles, jackscrews, jewelers' machines, kettles, knife grinders, lawn

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

124. Foundry and machine-shop products—Continued.  
 mowers, lightning rods, lubricators, machine knives, meal mills, meat mixers, merry-go-rounds, molding cutters, music stands, parcel conveyers, plated metal work, propeller wheels, punches, railroad-switch appliances, sausage stuffers, scouring machines, shafting, shuttles, slot machines, smokestacks, stamping machines, steam rollers, steel pans, steel tires, stencil machines, swages, tackle blocks, tanks, trunk racks, valves, vending machines, vises, wall-paper trimmers, weather vanes, foil wrapping machines, etc. (Not to include Machine tools or Textile machinery, for which there are separate classifications.)  
 (a) Boiler shops.  
 (b) Foundries.  
 (c) Machine shops.  
 (d) Machine shop and foundry combined.
125. Foundry supplies.  
 Includes foundry facings, core-compound molding sand, foundry sieves, flasks for molding, foundry flour, etc.
126. Fuel, manufactured.  
 A briquetted fuel made from anthracite culm, bituminous or semibituminous slack, peat, etc.  
 (a) Briquetted fuel.  
 (b) All other.
127. Fur goods. (See also Hats and caps, other than felt, straw, and wool.)  
 Includes all kinds of garments of fur or fur lined, such as robes, coats, muffs, scarfs, gloves and mittens, trimmings, rugs, or mats, etc. This classification must not be confused with "Furs, dressed."
128. Furnishing goods, men's. (See also Collars and cuffs, men's; Gloves and mittens, leather; Shirts; Suspenders, garters, and elastic woven goods.)  
 Includes men's neckwear; belts, other than leather; handkerchiefs; cloth gloves and mittens; pajamas; underwear, other than knit goods; etc.  
 (a) Neckwear.  
 (b) Cloth gloves and mittens.  
 (c) All other.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

## 129. Furniture. (See also Mattresses and spring beds; Refrigerators; Show cases.)

Includes tables, desks, bookcases, sideboards, china closets, commodes, wardrobes, bedsteads, sofas, couches, chairs, chair seats, footstools, hat trees, music cabinets and stands, bureaus, chiffoniers, furniture ornaments, and store and office fixtures.

- (a) Wood furniture, other than rattan and willow.
- (b) Rattan and willow furniture.
- (c) Metal furniture.
- (d) Store and office fixtures.

## 130. Furs, dressed.

Includes the dressing and dyeing of skins with the fur on, done chiefly for others who own the skins or pelts; unhairing; dressing of hair and bristles, etc.

## 131. Galvanizing.

Includes establishments chiefly engaged in galvanizing or coating iron with zinc.

## 132. Gas and electric fixtures. (See also Lamps and reflectors.)

Includes the manufacture of gas and electric fixtures.

- (a) Gas fixtures.
- (b) Electric fixtures.
- (c) Combination gas and electric fixtures.
- (d) All other.

## 133. \*Gas, manufactured, illuminating and heating.

Includes the manufacture of gas for illuminating and heating purposes from coal, coke, oil, gasoline, etc., and from calcium carbide. (Not to include natural gas.)

## 134. Gas machines and gas and water meters. (See also Foundry and machine-shop products.)

Includes machines for manufacturing gas, acetylene-gas generators, gas meters, water meters, regulators, etc.

- (a) Gas meters and water meters.
- (b) Gas machines.
- (c) All other products.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

135. \*Glass.  
Includes building glass, pressed and blown glass, wire glass, bottles, jars, etc.
136. Glass, cutting, staining, and ornamenting.  
Includes establishments engaged chiefly in glass cutting, glass beveling, bending sheet glass, engraving glass, making glass labels, and staining and ornamenting glass.  
(a) Decalcomania work on glass.  
(b) All other.
137. \*Gloves and mittens, leather. (See also Furnishing goods, men's.)  
Includes men's, boys', women's, and children's leather gloves, mittens, and gauntlets, lined and unlined.
138. \*Glucose and starch.  
Includes establishments engaged in the manufacture of glucose; corn sirup; grape sugar; corn, wheat, potato, and root starch; corn oil, cake, and meal; etc.  
(a) Glucose.  
(b) Starch.
139. Glue, not elsewhere specified. (See also Fertilizers; Slaughtering and meat packing, wholesale.)  
Includes establishments engaged chiefly in the manufacture of various kinds of glue, and their by-products.  
(a) Fish glue.  
(b) Glue, other than fish.  
(c) All other products.
140. Gold and silver, leaf and foil. (See also Tin foil.)  
Includes establishments generally known as gold-beaters, which are engaged chiefly in making gold and silver leaf and foil for decorators, dentists, etc.  
(a) Gold leaf and foil.  
(b) All other.
141. Gold and silver, reducing and refining, not from the ore.  
Includes establishments engaged in reducing and refining the precious metals, chiefly from the waste and sweepings of factories engaged in the manufacture of jewelry, silverware, etc.
142. Graphite, ground and refined. (See also Pencils, lead.)  
Includes establishments engaged in extracting the graphite or plumbago from the mineral and in refining the same, or in both.



## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

143. Grease and tallow, not including lubricating greases.  
(See also Candles; Fertilizers; Lubricating greases;  
Slaughtering and meat packing; Soap.)  
Includes the rendering of all kinds of grease and  
tallow, with the exception of lubricating grease, for  
which there is an independent classification.  
    (a) Soap stock.  
    (b) Tallow.  
    (c) All other.
144. \*Grindstones. (See also Millstones.)  
Includes establishments manufacturing grindstones.
145. Haircloth.  
Includes establishments engaged in the manufacture  
of haircloth.
146. Hair work.  
Includes wigs, switches, braids, puffs, and similar  
articles made largely from human hair.
147. Hammocks. (See also Awnings, tents, and sails; Cord-  
age and twine; Nets and seines.)  
Includes establishments engaged chiefly in the  
manufacture of hammocks.
148. Hand stamps. (See also Stencils and brands.)  
Includes various kinds of hand stamps, commonly  
known as rubber stamps, but may include metal  
stamps.
149. Hardware. (See also Brass, bronze, and copper products;  
Cutlery and edge tools; Files; Hardware, saddlery;  
Saws; Screws; Sporting and athletic goods; Tools,  
not elsewhere specified.)  
Includes locks, car seals, seal presses, brackets, and-  
irons and fireplace goods, oilers, brass drapery chains,  
fancy upholstery nails, sash weights, trunk trimmings;  
and builders', cabinet, car, carriage, casket, furniture,  
piano, and organ hardware.  
    (a) Locks.  
    (b) Builders' hardware.  
    (c) Piano and organ hardware.  
    (d) Vehicle hardware (automobile, car, carriage,  
    etc.)  
    (e) All other.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

150. Hardware, saddlery. (See also Hardware.)  
Includes hardware for use in the manufacture of saddlery and harness.
151. Hat and cap materials.  
Includes hatters' fur, hat wire, sweat bands, vizors, linings, bindings, trimmings, tip printing, etc.
152. Hats and caps, other than felt, straw, and wool.  
Includes silk hats, chapeaux, opera or crush hats, cloth caps, uniform caps, etc.
153. \*Hats, fur-felt.  
Includes stiff and soft hats made from hatters' fur, and also fur-felt hat bodies, by some establishments.
154. Hats, straw. (See also Millinery and lace goods, not elsewhere specified.)  
Includes the manufacture of men's, women's, and children's straw hats and the bleaching and finishing of Panama and other straw hats.
155. \*Hats, wool-felt. (See also Woolen goods; Worsted goods.)  
Includes the manufacture of men's, women's, and children's hats, and hat bodies, the chief material of which is wool, wool nolls, shoddy, etc.
156. \*Hones and whetstones. (See also Emery and other abrasive wheels.)  
Includes hones, whetstones, sandstones, oilstones, scythe rifles, etc.
157. Horseshoes, not made in steel works or rolling mills. (See also Iron and steel, steel works and rolling mills.)  
Includes establishments engaged chiefly in the manufacture of horseshoes, mule shoes, ox shoes, toe weights, calks, etc.
158. House-furnishing goods, not elsewhere specified. (See also Cotton goods.)  
Includes comfortables, piano covers and scarfs, carpet linings, mosquito canopies, portieres, draperies, furniture covers, serving trays, hassocks, pillow shams, carpet sweepers, pillows, quilts, cotton batting, mops, pin-cushions, clotheslines, and articles of this character not covered by other classifications.
- (a) Comforts and quilts.
  - (b) Feather pillows, beds, etc.
  - (c) Cotton batting, not made in cotton mills.
  - (d) Mops, dusters, etc.
  - (e) All other.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

- 159. \*Ice, manufactured.  
Includes establishments engaged in the manufacture of ice.
- 160. Ink, printing.  
Includes establishments engaged in the manufacture of printing and lithographing inks.
- 161. Ink, writing.  
Includes writing ink and fluid, indelible ink, etc.
- 162. Instruments, professional and scientific.  
Includes dental, meteorological, nautical, surgical, and surveyors' instruments, compasses, microscopes, telescopes, barometers, etc.  
  - (a) Medical and surgical.
  - (b) Optical.
  - (c) All other.
- 163. \*Iron and steel, blast furnaces. (See also Ferroalloys.)  
Includes establishments engaged in the manufacture of pig iron from the ore.
- 164. \*Iron and steel, steel works and rolling mills.  
Includes establishments engaged in the manufacture of steel or in rolling hot iron. Among the products of this class of mills are steel ingots and direct steel castings; rolled iron and steel, such as rails, splice bars, rail joints, bars and rods, tin-plate bars, wire rods, structural shapes, hoops, bands, and cotton ties; plates and sheets, including black plates and sheets for thinning; nail and tack plates; rolled car axles and hammered car axles; car wheels; armor plate and gun forgings; etc.
- 165. Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills. (See also Iron and steel, steel works and rolling mills.)  
Includes establishments chiefly engaged in making such products.
- 166. \*Iron and steel, cast-iron pipe. (See also Iron and steel, blast furnaces; Iron and steel, steel works and rolling mills.)  
Includes establishments whose chief products are cast-iron gas, water, soil, and other pipe.
- 167. Iron and steel, doors and shutters. (See also Foundry and machine-shop products; Structural ironwork, not made in steel works or rolling mills.)  
Includes establishments whose chief products are iron and steel doors and shutters.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

168. Iron and steel, forgings, not made in steel works or rolling mills. (See also Iron and steel, steel works and rolling mills.)  
Includes establishments engaged chiefly in manufacturing light and heavy drop and steam-hammer forgings, chains, anchors, axles, car wheels, frogs, etc.
169. Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills. (See also Iron and steel, steel works and rolling mills; Wire.)  
Includes establishments engaged in the manufacture of iron and steel, nails and spikes, cut and wrought, including wire nails and tacks.  
(a) Cut nails and spikes.  
(b) Wire nails and spikes (including wire tacks, brads, and staples).  
(c) Forged nails and spikes (other than railroad spikes).  
(d) Railroad spikes.  
(e) All other, including tacks (other than wire tacks).
170. Iron and steel, wrought pipe. (See also Iron and steel, steel works and rolling mills.)  
Includes establishments whose chief products are wrought welded pipe and boiler tubes; seamless drawn, clinched, brazed, and heavy riveted pipe. Wrought-iron pipe is made largely from skelp.
171. Ivory, shell, and bone work, not including combs and hair pins. (See also Buttons; Combs and hairpins, not made from metal and rubber; Fancy articles, not elsewhere specified.)  
Includes articles made from ivory, shell, mother-of-pearl, horn, or bone.
172. Japanning. (See also Enameling.)  
Includes the treatment of wood, metal, paper, etc., with japan varnish. Japan is set by exposure to a high degree of heat.
173. Jewelry.  
Includes articles made from the precious metals, as rings, pins, bracelets, chains, diamond setting and mounting, trimmings for umbrellas, canes, etc., and also rolled plate, filled wire, etc.
174. Jewelry and instrument cases.  
Includes establishments chiefly engaged in the manufacture of cases, trays, and fancy boxes, etc., for jewelry and instruments.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

175. \*Jute goods. (See also Cordage and twine; Linen goods; Mats and matting, from cocoa fiber, grass, coir, etc.) Includes burlaps, gunny bagging, carpets and rugs, yarns, etc., and, in general, articles where the chief material is jute fibre or jute yarn.
176. \*Knit goods. (See also Cotton goods; Cotton small wares; Silk goods; Woolen goods; Worsted goods.) Includes woolen or worsted, merino or mixed, cotton, and silk hose and half hose; knit shirts and drawers; combination suits; gloves and mittens, not leather; hoods, scarfs, rubias, etc.; cardigan jackets, sweaters, fancy jackets; shawls; fancy knit goods, wristers, hand-knit goods, and other knit fabrics.  
 (a) Power-machine knit goods.  
 (b) Hand-machine knit goods.
177. Labels and tags. (See also Printing and publishing, book and job.) Includes the various kinds of labels and tags of celluloid, metal, cardboard, etc.; baggage and other checks; labels for clothing; patent indexes; pin tickets; etc.
178. Lamps and reflectors. (See also Gas and electric fixtures.) Includes all kinds of lamps and reflectors, except electric lamps.  
 (a) Automobile lamps.  
 (b) Carriage and wagon lamps.  
 (c) All other lamps.  
 (d) Reflectors.
179. Lapidary work. (See also Jewelry.) Includes establishments engaged in the cutting of diamonds and other precious or semiprecious stones.
180. Lard, not made in slaughtering and meat-packing establishments. (See also Slaughtering and meat packing.) Includes establishments engaged chiefly in refining lard.  
 (a) Prime, sold as such.  
 (b) Refined.  
 (c) Neutral.
181. Lasts. Includes establishments chiefly engaged in the manufacture of lasts for the shoe industry and also adjustable shoe lasts, stretchers, leg forms, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1910.

[Industries marked \* require supplemental schedules.]

182. Laundries, power.  
Includes laundry work done by the aid of machinery operated by mechanical power.
183. Lead, bar, pipe, and sheet. (See also Smelting and refining, lead.)  
Includes establishments engaged in the manufacture of lead bars, sheets, pipe, etc.
184. Leather goods, not elsewhere specified. (See also Gloves and mittens, leather; Pocketbooks; Saddlery and harness; Trunks and valises.)  
Includes straps, belt laces, dog collars, embossed leather, burnt-leather goods, leather aprons for wool machinery, leather washers, leather chair seats, leather garments, brief cases, razor strops, etc.
185. \*Leather, tanned, curried, and finished.  
Includes rough leather and sole leather, upper leather, morocco and colored skins, horsehides, calf and kip skins, goatskins and sheepskins; belting, harness, carriage, trunk, bag and pocketbook, bookbinders', and furniture leather; leather for gloves, mittens, etc.
186. \*Lime.  
Includes establishments manufacturing lime from limestone, shells, etc.
187. \*Linen goods. (See also Cordage and twine; Cotton goods; Jute goods.)  
Includes crash, towels, toweling, and other linen fabrics; linen yarns, thread, etc.
188. Liquors, distilled. (See also Wood distillation for wood alcohol.)  
Includes whisky, rum, gin, brandy, fruit brandies, etc., and grain alcohol.  
(a) Alcohol, grain (including pure, neutral, or cologne spirits).  
(b) Rum.  
(c) Whisky—  
    Bourbon.  
    Rye.  
(d) All other distilled liquors.
189. Liquors, malt.  
Includes lager beer, porter, ale, weiss beer, etc.
190. Liquors, vinous.  
Includes wines, still and effervescing, such as champagne, claret, catawba, angelica, dry wine, port, sherry, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

191. Lithographing. (See also Photo-engraving, not done in printing establishments; Printing and publishing.)  
Includes establishments engaged in photo-lithographing, lithographing on paper, tin, etc., and also establishments engaged in drawing or transferring the design or preparing the stone or plate used in lithographing.
192. \*Locomotives, not made by railroad companies. (See also Cars and general shop construction and repairs by steam-railroad companies; Engines, steam, gas, and water; Electrical machinery, apparatus, and supplies.)  
Includes establishments chiefly engaged in manufacturing locomotives.
193. Looking-glass and picture frames. (See also Lumber, planing-mill products.)  
Includes looking-glass and picture frames, metal frames, passe partouts, paper, plush, and velvet frames, and the gilding of moldings, etc. (Establishments engaged in framing pictures, etc., to the individual order are not to be included.)
194. Lubricating greases. (See also Grease and tallow; Petroleum, refining.)  
Includes axle grease and hard and soft lubricating greases, as distinguished from lubricating oils.
195. \*Lumber and timber products. (See also Lumber, planing-mill products.)  
Includes logging camps turning out logs or bolts and rough lumber and timber products, such as crossties, poles, posts, mine timbers; also wheel, handle, and excelsior stock, etc.; and sawmills turning out rough or dressed lumber, staves and heading, shingles, laths, veneer stock, veneers from logs or bolts, cooperage stock, cooperage and other products from logs or bolts, etc. Planing mills, when connected with sawmills, are to be included with this classification, but when operated independently are placed with "Lumber, planing-mill products."
196. Lumber, planing-mill products, not including planing mills connected with sawmills. (See also Boxes, wooden packing; Lumber and timber products; Show cases; Wood, turned and carved.)  
Includes dressed lumber, builders' finish, sash, doors, blinds, panels, wood mantels, bracket shelves, stair work, moldings, door and window frames, and generally all classes of interior woodwork, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

197. \*Machine tools. (See also Foundry and machine-shop products; Cutlery and edge tools; Tools, not elsewhere specified.)

Includes establishments chiefly engaged in the manufacture of machine tools; that is, machines which employ a tool for working on metal and operated by power or by hand.

198. Malt. (See also Liquors, malt.)

Includes establishments producing malt, chiefly from barley, but other grain may be used.

199. Marble and stone work.

Includes monuments, tombstones, etc., and other manufactures of stone and marble, except millstones, grindstones, and hones and whetstones; roofing slates, slate blackboards, soapstone work, and all kinds of builders' and plumbers' marble and stone material.

(a) Monuments and tombstones.

(b) Other marble and stone work except slate.

(c) Roofing slate.

(d) Other slate products.

200. Matches.

Includes establishments whose chief products are friction, safety, or other kinds of matches.

201. Mats and matting, from cocoa fiber, grass, coir, etc. (See also Jute goods.)

Includes establishments whose chief products are mats and matting, door mats, etc., made from the above and similar fiber.

202. Mattresses and spring beds, not elsewhere specified. (See also Furniture; Wirework, including wire rope and cable.)

Includes mattresses made from hair, cotton, felt, moss, or other similar material, and wire mattresses and spring beds, etc.

203. Millinery and lace goods, not elsewhere specified. (See also Artificial flowers; Feathers and plumes.)

Includes dress, cloak, and millinery trimming; embroideries and crochet goods; hat and bonnet frames; ladies' belts, collars, neckwear; women's handkerchiefs; and hats, trimmed and untrimmed; pleating and puffs; ruching, ruffling, etc.

(a) Embroideries.

(b) Trimmed hats, hat frames, etc.

(c) Dress and cloak trimmings, braids, fringes, etc.

(d) Women's neckwear.

(e) All other.



## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

204. Millstones. (See also Grindstones.)  
Includes establishments producing millstones.
205. Mineral and soda waters.  
Includes establishments chiefly engaged in the manufacture of carbonated beverages, root beer, ginger ale, and other so-called soft drinks.
206. Minerals and earths, ground.  
Includes the grinding of emery, flint, ocher, barytes, manganese, chalk, talc, feldspar, sandstone, kaolin, mica, fuller's earth, pumice, slate, etc.
207. Mirrors, framed and unframed, not elsewhere specified.  
(See also Furniture.)  
Includes establishments, chiefly engaged in the production of mirrors and looking-glasses.
208. Models and patterns, not including paper patterns.  
Includes molds used in the manufacture of brick, glassware, cigars, castings, etc., hat blocks, pottery braces, wax figures, dress and show forms, stamping outfits, etc.
209. \*Motorcycles, bicycles, and parts.  
Includes establishments chiefly engaged in the manufacture of bicycles, tricycles, motorcycles, and also establishments manufacturing parts, such as saddles, seat posts, frames, gears, handlebars, chains, etc. Establishments assembling parts and turning out complete machines of this character may receive this classification.
210. Mucilage and paste. (See also Glue, not elsewhere specified.)  
Includes establishments whose chief products are mucilage and paste, and also mending cement, rubber cement, sealing wax, etc.  
(a) Mucilage and paste in bottles and jars for office and home uses.  
(b) Mucilage and paste in barrels, kegs, or other large containers.  
(c) All other products.
211. \*Musical instruments and materials, not specified.  
Includes establishments whose chief products are various kinds of musical instruments made of brass and other metal or wood, and also stringed instruments, and materials for the manufacture of the same. (Pianos and organs, and their materials, are not included in this classification.)

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

212. \*Musical instruments, organs. (See also Musical instruments, pianos; Musical instruments, piano and organ materials.)  
Includes all kinds of pipe and reed organs, orchestrons, etc.
213. \*Musical instruments, pianos. (See also Musical instruments, organs; Musical instruments, piano and organ materials.)  
Includes pianos, upright, grand, etc., with or without player attachments.
214. Musical instruments, piano and organ materials. (See also Musical instruments, organs; Musical instruments, pianos.)  
Includes establishments whose chief products are piano strings, plates, keys, actions, keyboards, cases, back frames, pedal attachments, hammers, sounding boards, legs, trusses, etc., and organ reeds, pipes, stops, knobs, pedals, reed poles, etc.  
(a) Piano materials.  
(b) Organ materials.
215. \*Needles, pins, and hooks and eyes. (See also Buttons.)  
Includes machine needles—knitting and sewing; toilet, hat, and safety pins, etc.; glove fasteners, snap fasteners, hooks and eyes, etc.
216. Nets and seines. (See also Cordage and twine; Hammocks.)  
Includes establishments chiefly engaged in the manufacture of fish nets, seines, etc.
217. Oakum.  
Includes establishments manufacturing oakum. This product is made largely from old rope, although some new hemp and jute may be used. It is used chiefly in shipyards and by plumbers, and perhaps by upholsterers.
218. ~~Oil~~ and cake, cottonseed.  
Includes the manufacture of cottonseed oil, either crude or refined, and such by-products as meal and cake, hulls, linters, etc.
219. ~~Oil~~, castor.  
Includes establishments manufacturing castor oil from the castor bean.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

220. \*Oil, essential. (See also Perfumery and cosmetics.)  
Includes the volatile oils from plants, such as peppermint, spearmint, sassafras, wintergreen, clove, lemon, aniseed, bergamot, lavender, orange, patchouli, witchhazel, etc.
221. Oil, lard, not made in slaughtering and meat-packing establishments.  
Includes establishments where the chief product is lard oil.
222. \*Oil, linseed.  
Includes linseed oil made from flaxseed. In the crushing of flaxseed to extract the oil there would be by-products of flaxseed cake and meal.
223. Oil, not elsewhere specified.  
Includes lubricating oils (not from petroleum), fish oils, mineral oils, neat's-foot oil, etc., not made in slaughtering and meat-packing establishments.  
(a) Fish oil.  
(b) Oleo oil.  
(c) All other.
224. \*Oilcloth and linoleum, floor.  
Includes all classes of floor oilcloth and linoleum.
225. \*Oilcloth, enameled.  
Includes table, shelf, upholsterers' oilcloth, etc.
226. Oleomargarine. (See also Slaughtering and meat packing.)  
Includes establishments engaged chiefly in manufacturing oleomargarine, butterine, etc., not including that made in slaughtering and meat-packing establishments.
227. Optical goods.  
Includes spectacles, eyeglasses, opera and field glasses, binoculars, stereopticons, etc.; lenses, spectacle and eyeglass frames and cases, artificial eyes, etc.  
(a) Lenses, for eyeglasses, telescopes, etc.  
(b) All other.
228. \*Ordnance and accessories. (See also Iron and steel works and rolling mills; Iron and steel forgings.)  
Includes cannon and artillery and their mounts; apparatus pertaining to cannon and artillery; ammunition, such as shot and shells, etc. (Do not confuse this classification with Ammunition; Explosives; and Firearms.)

CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[[Industries marked \* require supplemental schedules.]

229. \*Paints. (See also Varnishes.)

Includes paints in oil, ready-mixed paints, water paints and kalsomine, pigments, stains, fillers, putty, etc.

230. \*Paper and wood pulp.

Includes news paper, book paper, fine paper, wrapping paper, blotting paper, strawboard, etc., wood pulp, etc.

(a) Paper mills exclusively.

(b) Pulp mills exclusively.

(c) Mills making both paper and pulp.

231. Paper goods, not elsewhere specified. (See also Stationery goods, not elsewhere specified.)

Includes shelf paper, glazed paper, paper tubes, toilet paper, playing cards, fly paper, confetti, moth paper, etc.

(a) Playing cards.

(b) All other.

232. Paper patterns.

Includes all kinds of patterns made from paper, fashion plates, etc.

233. \*Patent medicines and compounds. (See also Chemicals; Druggists' preparations; Perfumery and cosmetics.)

Includes medicines and compounds for either man or animal manufactured under the protection of a patent, copyright, or trade-mark or according to a secret formula; and compounds or products handled by the pharmaceutical trade not otherwise provided for, such as hair tonics, insect powders, corn cures, liver pads, household ammonia, etc.

234. Paving materials.

Includes asphalt, crushed cinder, wood blocks, broken stone, cement paving tile, etc., but not the laying of paving. (Does not include stone paving blocks, see Marble and stone work.)

235. Peanuts, grading, roasting, cleaning, and shelling.

Includes various operations connected with the preparation of peanuts for the market.

236. Pencils, lead.

Includes establishments engaged in the manufacture of lead pencils.

237. Pens, fountain and stylographic. (See also Pens, gold.)

Includes the manufacture of fountain and stylographic pens.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

238. Pens, gold. (See also Pens, fountain and stylographic.)  
Includes the manufacture of gold pens.
239. Pens, steel.  
Includes the manufacture of steel and other metal pens, except gold pens.
240. \*Perfumery and cosmetics. (See also Druggists' preparations; Oil, essential; Soap.)  
Includes cologne; toilet water; witch-hazel; face powders; washes and lotions; skin emollients; shaving cream; tooth paste and powder; bay rum, etc.
241. \*Petroleum, refining.  
Includes the refining of crude petroleum.
242. \*Phonographs and graphophones. (See also Musical instruments.)  
Includes phonographs, graphophones, talking machines, and parts and supplies, cylinders, records, horns, etc.
243. Photographic apparatus. (See also Photographic materials.)  
Includes cameras, lenses for photographic uses, head rests, photographic parts, etc.  
(a) Cameras.  
(b) Motion-picture machines.  
(c) All other apparatus and parts.
244. Photographic materials. (See also Photographic apparatus.)  
Includes films, plates, developers, sensitized paper, etc., and motion-picture projection films reproduced or printed from the negative.  
(a) Motion-picture films, not exposed.  
(b) Motion-picture projection films.  
(c) All other.
245. Photo-engraving, not done in printing establishments.  
(See also Lithographing; Stereotyping and electrotyping.)  
Includes photogravures and similar transfer work.
246. Pickles, preserves, and sauces. (See also Canning and preserving, fruits and vegetables; Food preparations, not elsewhere specified.)  
Includes jellies, apple butter, salad dressing, pickles, mustard, etc., and preserves, and sauces.  
(a) Preserves.  
(b) Pickles and sauces.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

247. Pipes, tobacco.  
Includes all kinds of smokers' pipes, pipe stems, and cigar and cigarette holders.
248. Plated ware. (See also Silversmithing and silverware.)  
Includes all kinds of plated ware.  
(a) Knives, forks, spoons, etc.  
(b) Hollow ware.  
(c) All other.
249. Plumbers' supplies, not elsewhere specified. (See also Brass, bronze, and copper products; Foundry and machine-shop products; Marble and stone work; Stamped and enameled ware, not elsewhere specified.)  
Includes bath and laundry tubs, traps, plumbers' woodwork, toilet bowls, lavatories, etc., when not enameled; faucets, spigots, kitchen hot-water boilers, etc.
250. Pocketbooks. (See also Leather goods, not elsewhere specified; Trunks and valises.)  
Includes pocketbooks, bill books, card cases, money purses, etc.
251. \*Pottery. (See also Brick and tile, terra-cotta, and fire-clay products.)  
Includes stoneware, red earthenware, white ware, china, bone china, delft and belleek ware.  
(a) China ware.  
(b) Earthen and stone ware.  
(c) All other.
252. Poultry, killing and dressing, not done in slaughtering and meat-packing establishments. (See also Slaughtering and meat packing.)  
Includes establishments chiefly engaged in the killing and dressing of poultry. Not to include establishments having products valued at less than \$20,000.
253. \*Printing and publishing, book and job. (See also Book-binding and blank-book making; Printing and publishing, music; Printing and publishing, newspapers and periodicals.)  
Includes all kinds of job printing and the printing or publication of books and pamphlets, and those doing linotype work and typesetting exclusively.  
(a) Job printing.  
(b) Book publishing and printing.  
(c) Book publishing without printing.  
(d) Linotype work, typesetting, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

254. \*Printing and publishing, music. (See also Printing and publishing, book and job; Printing and publishing, newspapers and periodicals.)  
Includes books of music and sheet music.  
(a) Printing and publishing.  
(b) Publishing but no printing.
255. \*Printing and publishing, newspapers and periodicals. (See also Bookbinding and blank-book making; Printing and publishing, book and job.)  
Includes newspapers, periodicals, etc., and the preparation of the material, whether or not any of the work of printing is done. (Schedules to pertain to this classification should properly show answers to classes A or B of the supplemental schedule for printing and publishing.)  
(a) Printing and publishing.  
(b) Printing, publishing, and job printing.  
(c) Publishing but no printing.
256. Printing materials. (See also Foundry and machine-shop products; Ink, printing; Type founding.)  
Includes composing rules and sticks, galleys, planes, chases, type cases, galleys, and printers' rollers.
257. Pulp, from fiber other than wood.  
Includes the manufacture of pulp from cornstalks, rice straw, cotton, or any fiber other than wood.
258. Pulp goods.  
Includes pails, dishes, tubs, boxes, and other articles of this character made from pulp.
259. Pumps, not including power pumps.  
Includes chain or bucket hand pumps, wooden or metal hand pumps, oil and spray pumps, etc.
260. Pumps, steam and other power. (See also Foundry and machine-shop products.)  
Includes establishments whose chief products are steam and other power pumps.  
(a) Steam pumps.  
(b) Other power pumps.
261. Refrigerators. (See also Furniture.)  
Includes refrigerators, ice boxes, etc.
262. Regalia, and society badges and emblems. (See also Flags and banners.)  
Includes regalia, emblems for masonic and other similar organizations, badges, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

263. \*Rice, cleaning and polishing.  
Includes the cleaning and polishing of rice.
264. Roofing materials. (See also Asbestos products, not including steam packing; Copper, tin, and sheet-iron work.)  
Includes the manufacture of asphalt roofing, felt roofing, roofing paint, other roofing compositions, and metal shingles and ceilings. Does not include the laying of roofing.  
(a) Metal shingles and ceiling.  
(b) All other.
265. \*Rubber goods, not elsewhere specified. (See also Belting and hose, rubber; Boots and shoes, rubber; Suspenders, garters, and elastic woven goods.)  
Includes rubber clothing, mats, type, springs, tubing, rubber brushes, bands, automobile and other tires, etc.
266. Rules, ivory and wood. (See also Tools, not elsewhere specified.)  
Includes rules made from ivory, wood, metal, or other material.
267. Saddlery and harness. (See also Leather goods, not elsewhere specified.)  
Includes saddlery and harness, or parts of the same; halters, horse boots, saddletrees, etc.
268. Safes and vaults.  
Includes the manufacture of safes and vaults, safe-deposit boxes and chests, steel burial vaults, etc.  
(a) Safes.  
(b) Vaults.
269. \*Salt.  
Includes table, packers', rock, and other grades of salt, whether obtained by mining or evaporation.
270. Sand and emery paper and cloth.  
Includes sandpaper, sand cloth, emery paper, emery cloth, flint paper, glass paper, etc.
271. \*Sand-lime brick. (See also Brick and tile, terra-cotta, and fire-clay products.)  
Includes establishments engaged chiefly in the manufacture of bricks from a combination of sand and lime.



## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

272. Sausage, *not made in slaughtering and meat-packing establishments.* (See also Slaughtering and meat packing.)  
Includes establishments engaged chiefly in the manufacture of sausage.  
(a) Canned.  
(b) All other.
273. Saws. (See also Cutlery and edge tools; Tools, not elsewhere specified.)  
Includes the manufacture of saws of all kinds as chief products.
274. Scales and balances.  
Includes weighing machines and apparatus, automatic and computing weighing machines, etc.
275. Screws, machine. (See also Hardware.)  
Includes the manufacture of machine screws.
276. Screws, wood. (See also Hardware.)  
Includes the manufacture of screws for woodwork.
277. Sewing-machine cases. (See also Sewing machines and attachments.)  
Includes the manufacture of sewing-machine cases, cabinets, stands, etc.
278. Sewing machines and attachments. (See also Sewing-machine cases.)  
Includes sewing machines, and tuckers, shirrers, hemmers, etc.  
(a) Sewing machines.  
(b) Attachments.
279. \*Shipbuilding, steel. (See also Shipbuilding, wooden, including boat building.)  
Includes the building of steam, motor, sail, or unrigged vessels, of steel and concrete, and repairs to such vessels.  
(a) Yards where work on new vessels was done.  
(b) Concrete vessels.  
(c) Yards engaged entirely on repair work.  
(d) Boats under five tons.  
(e) Masts, spars, oars, and rigging of vessels.
280. \*Shipbuilding, wooden, including boat building. (See also Shipbuilding, steel.)  
Includes the building of wooden, steam, motor, sail, and unrigged vessels; yachts, rowboats, canoes, etc., and repairs to such vessels; the manufacture of masts, spars, oars, and rigging vessels.  
(a) Yards where work on new vessels was done.  
(b) Yards engaged entirely on repair work.  
(c) Boats under five tons.  
(d) Masts, spars, oars, and the rigging of vessels.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

281. Shirts. (See also Clothing, men's; Collars and cuffs, men's; Furnishing goods, men's.)  
Includes shirts of cotton, linen, flannel, etc., shirt bosoms, and shirt waists for men and boys.
282. Show cases. (See also Furniture; Lumber, planing-mill products.)  
Includes show cases, display cases, etc.
283. Signs and advertising novelties. (See also Fancy articles, not elsewhere specified.)  
Includes the manufacture of all kinds of signs and letters of wood, metal, glass, etc.; electric signs; and also various kinds of advertising novelties.  
(a) Electric signs.  
(b) Other signs.  
(c) Advertising novelties.
284. \* Silk goods.  
Includes broad silks, ribbons, trimmings, taffetas, veiling, and establishments manufacturing organzine and tram. Establishments engaged wholly in throwing (throwsters) or winding of silk are also included.  
(a) Includes manufacturers of broad silks, ribbons, trimmings, etc.  
(b) Includes throwsters, winders, etc.
285. Silversmithing and silverware. (See also Plated ware.)  
Includes silver hollow ware, flat ware, toilet ware, ornaments, novelties, cane and umbrella handles, etc.
286. \*Slaughtering and meat packing, wholesale. (See also Lard; Oleomargarine; Poultry, killing and dressing; Sausage; Slaughtering, wholesale, not including meat packing.)  
Includes establishments where meat is carried beyond the raw state and preserved by canning, salting, smoking, or otherwise curing it for the trade. This classification covers both the establishments which slaughter and those which purchase the raw stock.  
(a) Establishments doing slaughtering.  
(b) Establishments doing no slaughtering.
287. \*Slaughtering, wholesale, not including meat packing. (See also Slaughtering and meat packing, wholesale.)  
Includes establishments slaughtering beef, sheep, hogs, etc., and disposing of the product without further manufacture.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

288. \*Smelting and refining, antimony.  
Includes the smelting and refining of antimony ores.
289. \*Smelting and refining, copper. (See also Brass, bronze, and copper products.)  
Includes the smelting and refining of copper ores.  
(a) Smelting only.  
(b) Refining only.  
(c) Smelting *and* refining.
290. \*Smelting and refining, lead. (See also Lead, bar, pipe, and sheet.)  
Includes the smelting and refining of lead ores.  
(a) Smelting only.  
(b) Refining only.  
(c) Smelting *and* refining.
291. \*Smelting and refining, tin.  
Includes the smelting and refining of tin ores.
292. \*Smelting and refining, zinc.  
Includes the smelting and refining of zinc ores.  
(a) Pigs, bars, plates, and sheets.  
(b) All other.
293. Smelting and refining, not from the ore. (See also Bab-bitt metal and solder; Brass, bronze, and copper products.)  
Includes smelting and refining of scrap material and dross of all kinds, except gold and silver, for which there is a special classification.
294. \*Soap. (See also Candles; Grease and tallow; Perfumery and cosmetics; Slaughtering and meat packing, wholesale.)  
Includes establishments engaged chiefly in the manufacture of hard, soft, cake, bar, powdered, liquid, and other soaps.
295. Soda-water apparatus.  
Includes soda fountains, tanks, siphons, etc.
296. Sporting and athletic goods.  
Includes boxing gloves, punching bags, dumb-bells, pigeon traps, fishing rods and tackle; baseball, football, tennis and golf goods; exercise machines; snow-shoes; toboggans; air rifles; decoys; etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

297. Springs, steel, car and carriage, etc., not made in steel works or rolling mills. (See also Automobile bodies and parts; Carriage and wagon materials; Iron and steel, steel works and rolling mills.)  
Includes establishments chiefly engaged in the manufacture of steel springs for carriages, cars, automobiles, and other purposes.  
(a) Carriage and wagon.  
(b) Railway.  
(c) Automobile.  
(d) Machinery and other.
298. Stamped and enameled ware, not elsewhere specified. (See also Tinware, not elsewhere specified; Enameling.)  
Includes stamped sheet-metal goods of all kinds which are not otherwise provided for.  
(a) Stamped ware.  
(b) Enameled ware.  
(c) Bathtubs.  
(d) Lavatories and sinks.
299. Stationery goods, not elsewhere specified. (See also Envelopes; Pencils, lead; Pens, steel.)  
Includes papeterie and other stationers' specialties, inkstands, school supplies, penholders, desk pads, calendars, blackboards, copying devices, school supplies, globes, etc.  
(a) Penholders.  
(b) All other.
300. Statuary and art goods. (See also Marble and stone work.)  
Includes plaster and composition statuary, church figures and ornaments, ornamental stuccowork, etc.
301. Steam fittings and steam and hot-water heating apparatus. (See also Foundry and machine-shop products; Stoves and hot-air furnaces.)  
Includes hot-water and steam-heating apparatus, radiators, washers, valves, gauges, coils, etc.  
(a) Radiators and cast-iron heating boilers.  
(b) All other.
302. Steam packing. (See Asbestos products; Rubber goods, not elsewhere specified.)  
Includes asbestos, metallic, and other steam packing; packing for engines, air compressors, etc.; boiler coverings, gaskets, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

303. Stencils and brands. (See also Hand stamps.)  
Includes stencils made of brass, steel, or other metal; branding irons, etc.
304. Stereotyping and electrotyping. (See also Printing and publishing; Printing materials; Type founding.)  
Includes establishments engaged in stereotype and electrotype work.
305. Stoves and hot-air furnaces. (See also Steam fittings and steam and hot-water heating apparatus; Stoves, gas and oil.)  
Includes all kinds of cooking and heating stoves and furnaces, except gas and oil stoves.  
(a) Stoves and ranges.  
(b) Hot-air furnaces.  
(c) Fireless cookers.
306. Stoves, gas and oil.  
Includes gas and oil stoves, parts, etc.
307. Structural ironwork, not made in steel works or rolling mills. (See also Foundry and machine-shop products; Iron and steel, steel works and rolling mills.)  
Includes girders, columns, trusses, grilles, railings, fire escapes, and other builders' ironwork, structural and ornamental.
308. \*Sugar, beet.  
Includes the manufacture of sugar from sugar beets.
309. \*Sugar, cane.  
Includes establishments engaged in manufacturing sugar from sugar cane, with by-products of molasses and sirup.
310. \*Sugar, refining, not including beet sugar.  
Includes the refining of cane sugar.
311. \*Sulphuric, nitric, and mixed acids. (See also Chemicals; Fertilizers.)  
Includes establishments manufacturing sulphuric, nitric, and mixed acids as their chief products. A branch of the chemical industry.
312. Surgical appliances. (See also Artificial limbs; Instruments, professional and scientific.)  
Includes splints, bandages, trusses, electric belts, absorbent cotton, elastic stockings, shoulder and spinal braces, etc.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

313. Suspenders, garters, and elastic woven goods. (See also Furnishing goods, men's.)  
Includes suspenders, garters, and also the manufacture of the elastic webbing from which these articles are made.
314. \*Textile machinery and parts. (See also Foundry and machine-shop products.)  
Includes establishments manufacturing textile machinery as their chief products. (See supplemental schedule for detailed classes of products.)
315. Theatrical scenery.  
Includes establishments chiefly engaged in the manufacture of theatrical scenery, theater curtains, etc., but does not include incidental work done on the scenery in theaters.
316. Tin foil. (See also Gold and silver, leaf and foil.)  
Includes tin foil, aluminum foil and leaf, lead foil, etc.
317. \*Tin plate and terneplate.  
Includes establishments engaged in the manufacture of tin plate and terneplate.
318. Tinware, not elsewhere specified. (See also Copper, tin, and sheet-iron work; Stamped and enameled ware, not elsewhere specified.)  
Includes establishments engaged in the manufacture of tinware, tin cans, steam cookers, boilers, household and cooking utensils, etc.
319. Tobacco, chewing and smoking, and snuff. (See also Tobacco, cigars, and cigarettes.)  
Includes chewing tobacco, smoking tobacco, and snuff.  
    (a) Plug or chewing.  
    (b) Smoking.  
    (c) Snuff.  
    (d) All other.
320. Tobacco, cigars, and cigarettes. (See also Tobacco, chewing and smoking, and snuff.)  
Includes cigars and cigarettes.  
    (a) Cigars.  
    (b) Cigarettes.  
    (c) Both cigars and cigarettes.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

321. Tools, not elsewhere specified. (See also Cutlery and edge tools; Files; Hardware; Machine tools; Saws.)  
Includes stone and marble cutting tools, spirit levels, picks, plumbers' tools, jewelers' tools, iron-workers' tools, confectioners' tools, bakers' tools, shovels, spades, scoops, pressing irons, hammers, mallets, soldering irons, screw drivers, wrenches, and all tools not covered by other classifications.  
(a) Shovels, spades, scoops, hoes.  
(b) Carpenters' tools, not elsewhere specified.  
(c) Machinists' tools.  
(d) All other.
322. Toys and games. (See also Carriages and sleds, children's.)  
Includes magic lanterns, carrousels, lawn swings, paper toys, paper dolls, wooden toys, conjuring apparatus, toy banks, puzzles, children's velocipedes and tricycles, etc.
323. Trunks and valises. (See also Leather goods, not elsewhere specified; Pocketbooks.)  
Includes trunks, valises and bags, satchels, boxes for trunks, etc., irrespective of the material from which they are made.
324. \*Turpentine and rosin. (See also Wood distillation.)  
Includes establishments engaged in the manufacture of spirits of turpentine and rosin by the distillation of the resinous exudation of the pine tree.
325. Type founding. (See also Printing materials; Stereotyping and electrotyping.)  
Includes type, brass rules, slugs, copper-faced type, etc.
326. Typewriters and supplies.  
Includes typewriters, parts of typewriting machines, ribbons, carbon paper, etc.  
(a) Typewriters and parts.  
(b) Carbon paper.  
(c) Ribbon.  
(d) All other.
327. Umbrellas and canes.  
Includes umbrellas, parasols, covers, handles, other than gold and silver (for which see Jewelry), and parts.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

328. Upholstering materials, not elsewhere specified. (See also Cotton goods; Cotton small wares; Oilcloth, enameled; Woolen and worsted goods.)  
Includes artificial leather, curled hair, excelsior, moss, tow, etc.  
(a) Imitation leather, leatheroid, etc.  
(b) Excelsior.  
(c) Curled hair.  
(d) All other.
329. \*Varnishes. (See also Paints.)  
Includes varnishes, japans, lacquers, liquid and hardwood fillers, brewers' pitch, etc.
330. Vault lights and ventilators. (See also Foundry and machine-shop products.)  
Includes vault lights, ventilators, coal-hole covers, sidewalk and floor lights, etc.
331. Vinegar and cider.  
Includes establishments engaged in the manufacture of vinegar or cider.  
(a) Vinegar.  
(b) Cider.
332. Wall paper, not made in paper mills.  
Includes establishments engaged chiefly in making various kinds of wall papers. The establishments covered by this classification print, but do not manufacture, the hanging or white paper used.
333. Wall plaster.  
Includes gypsum plaster and other ready-mixed wall plasters, gypsum wall board, etc.
334. Washing machines and clothes wringers. (See also Foundry and machine-shop products; Machinery.)  
Includes establishments engaged chiefly in the manufacture of washing machines, clothes wringers, ironing machines, etc., whether operated by mechanical power or by hand.
335. Waste.  
Includes establishments engaged chiefly in the manufacture of cotton or other kinds of waste.  
(a) Cotton waste.  
(b) All other.
336. Watch and clock materials, except watch cases. (See also Brass, bronze, and copper products; Clocks; Watch cases; Watches.)  
Includes establishments whose chief products are such articles as dials, pendulums, pendants, springs, etc.  
(a) Watch materials.  
(b) Clock materials.



## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

337. Watch cases. (See also Watch and clock materials; Watches.)  
Includes establishments chiefly engaged in the manufacture of watch cases.
338. Watches. (See also Clocks.)  
Includes establishments engaged in the manufacture of watches and watch movements.  
(a) Watches.  
(b) Watch movements.
339. Whalebone cutting.  
Includes establishments engaged in the cutting of whalebone.
340. Wheelbarrows. (See also Agricultural implements.)  
Includes establishments engaged chiefly in the manufacture of wheelbarrows, irrespective of the materials from which constructed.
341. Whips.  
Includes establishments whose chief products are such articles as whips, whip stocks, whip handles, and whip lashes.
342. Windmills, not elsewhere specified. (See also Agricultural implements.)  
Includes establishments engaged chiefly in the manufacture of windmills and accessories, such as towers, vanes or sails, tanks, etc.
343. Window and door screens and weather strips.  
Includes establishments engaged chiefly in the manufacture of window screens, door screens, and weather strips, irrespective of the materials used.  
(a) Window and door screens.  
(b) Weather strips.
344. Window shades and fixtures.  
Includes establishments engaged chiefly in the manufacture of window shades, rollers, venetian blinds, curtain poles and rods, etc.
345. \*Wire. (See also Brass, bronze, and copper products; Iron and steel, steel works and rolling mills.)  
Includes establishments chiefly engaged in the manufacture of wire from purchased rods.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

346. Wirework, including wire rope and cable, not elsewhere specified. (See also Mattresses and spring beds; Wire.)

Includes wire fencing, wire rope and cable, wire cloth, and small manufactures of wire, such as mouse traps, bird cages, bottle stoppers, wire clasps, pillow-sham holders, belt lacings, garment hangers, etc., made from purchased wire.

- (a) Wire, barbed.
- (b) Wire rope and cable.
- (c) Woven-wire fencing.
- (d) All other.

347. Wood carpet.

Includes establishments engaged in the manufacture of wood carpet, which consists of pieces of wood, strips or blocks, attached to a textile back. Not to include the laying of parquet flooring.

348. \*Wood distillation. (See also Turpentine and rosin.)

Includes establishments engaged primarily in the distillation of wood by either the destructive or steam process. Among the products are wood alcohol, charcoal, turpentine, tar, acetone, etc., and acetate of lime.

349. Wood preserving.

Includes establishments engaged in treating wood to prevent decay, and for protection against fire, worms, etc., such for instance as railway ties, paving blocks, etc.

350. Wood, turned and carved. (See also Lumber, planing-mill products; Wooden goods, not elsewhere specified.)

Includes spools, handles, brush blocks, bungs, scroll-work, fretwork, grille work, jig sawing, carved woodwork, etc.

351. Wooden goods, not elsewhere specified. (See also Cooperation; Wood, turned and carved.)

Includes butter bowls and dishes, chopping bowls, trays, clothespins, toothpicks, grain measures, washboards, ladders, stepladders, pails and tubs, ironing boards, clothes dryers, etc.

352. Wool pulling.

Includes establishments engaged chiefly in detaching wool from the sheepskins.

353. Wool scouring.

Includes establishments engaged in scouring, sorting, and carbonizing wool.

## CLASSIFICATION LIST, WITH CROSS REFERENCES, 1919.

[Industries marked \* require supplemental schedules.]

354. \*Wool shoddy. (See also Woolen goods; Worsted goods.)  
Includes mills engaged chiefly in manufacturing shoddy or mungo. The materials consist chiefly of rags, waste, and noils, tailor's clippings, etc.
355. \*Woolen goods. (See also Carpets and rugs, other than rag; Felt goods; Knit goods; Worsted goods.)  
Includes woolen cloth, doeskins, cassimeres, chevots, tweeds, flannels, broadcloths, overcoatings, cloakings, kerseys, dress goods, unions, upholsterers' goods, woolen yarns, coatings, serges, suitings, cashmeres, jeans, etc. In addition to the kind of goods referred to, careful consideration must be given to the kind of yarn used and the character of the machinery.
356. \*Worsted goods. (See also Woolen goods.)  
Includes coatings, serges, suitings, overcoatings, cloakings, cashmeres, doeskins, jeans, tweeds, worsted-filled goods, worsted yarn, etc. In addition to the kind of goods referred to, careful consideration must be given to the kind of yarn used and the character of the machinery.

The supplemental schedules sometimes cover two or more industry classifications, as follows:

<i>Supplemental schedules.</i>	<i>Classification covered.</i>
Form No.	Industry No.
104. Ammunition, firearms, ordnance and accessories-----	4. Ammunition. 116. Firearms. 228. Ordnance and accessories.
109. Butter, cheese, and condensed milk-----	40. Butter. 61. Cheese. 79. Condensed milk.
113. Canning and preserving, fish and oysters-----	44. Canning and preserving, fish. 46. Canning and preserving, oysters.
116. Cars, steam and electric railroad-----	57. Cars, steam railroad, not including operations of railroad companies. 56. Cars, electric railroad, not including operations of railroad companies.
118. Chemical manufactures--	62. Chemicals. 311. Sulphuric, nitric, and mixed acids.

<i>Supplemental schedules.</i>	<i>Classification covered.</i>
Form No.	Industry No.
120. Chocolate and cocoa products and confectionery—	{ 65. Chocolate and cocoa products. 80. Confectionery and ice cream.
172. Clay products-----	{ 37. Brick and tile, terra-cotta, and fire-clay products. 251. Pottery.
121. Cordage and twine, jute goods, and linen goods—	{ 83. Cordage and twine. 175. Jute goods. 137. Linen goods.
122. Cotton manufactures----	{ 87. Cotton goods. 89. Cotton small wares.
124. Cottonseed products-----	{ 218. Oil and cake, cottonseed. 219. Oil, castor. <del>220.</del> Oil, linseed. 222. (Other oils are covered by the cottonseed products supplemental, for which there are no special classifications.)
125. Druggists' preparations, and patent and proprietary medicines and compounds-----	{ 95. Druggists' preparations. 233. Patent medicines and compounds. 240. Perfumery and cosmetics.
128. Engines-----	{ 103. Engines, steam, gas, and water. 192. Locomotives, not made by railroad companies.
177. Grindstones, oilstones and whetstones, pulp stones, scythestones, hones, and rubbing stones-----	{ 144. Grindstones. 156. Hones and whetstones.
147. Musical instruments-----	{ 211. Musical instruments and materials, not specified. 212. Musical instruments, organs. 213. Musical instruments, pianos.
149. Oilcloth and linoleum----	{ 224. Oilcloth and linoleum, floor. 225. Oilcloth, enameled.
150. Paints and varnishes----	{ 229. Paints. 329. Varnishes.

<i>Supplemental schedules.</i>	<i>Classification covered.</i>
Form No.	Industry No.
153. Printing and publishing-----	{ 253. Printing and publishing, book and job. 254. Printing and publishing, music. 255. Printing and publishing, newspapers and periodicals.
156. Railroad repair shops, steam and electric-----	{ 53. Cars and general shop construction and re- pairs by steam railroad companies. 54. Cars and general shop construction and re- pairs by electric rail- road companies.
158. Rubber goods-----	{ 265. Rubber goods, not else- where specified. 20. Belting and hose, rubber. 31. Boots and shoes, rubber.
159. Shipbuilding-----	{ 279. Shipbuilding, steel. 280. Shipbuilding, wooden, in- cluding boat building and concrete ships.
161. Slaughtering and meat packing-----	{ 286. Slaughtering and meat packing, wholesale. 287. Slaughtering, wholesale, not including meat packing.
168. Wool manufactures-----	{ 355. Woolen goods. 356. Worsted goods. 49. Carpets and rugs, other than rag. 112. Felt goods. 153. Hats, fur-felt. 155. Hats, wool-felt. 354. Wool shoddy.